

AMENDMENTS TO THE SPECIFICATION

Please insert the following titles before paragraph [0001]:

-- BACKGROUND OF THE INVENTION--

--1. Field of the Invention--

Please insert the following title before paragraph [0002]:

--2. Description of the Related Art--

Please insert the following title before paragraph [0007]:

--BRIEF SUMMARY OF THE INVENTION--

Please insert the following title before paragraph [0023]:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Please insert the following title before paragraph [0026]:

--DESCRIPTION OF ILLUSTRATIVE EMBODIMENTS--

Please insert the following title after paragraph [0062]:

--ABSTRACT--

Please insert the following paragraph [0063]:

[0063] The invention relates to a method for monitoring the state of vehicle chassis, particularly of rail vehicles, whereby physical quantities are measured on the chassis by means of sensors. The measured and optionally processed quantities are compared with modeled quantities by means of a processing unit. The modeled quantities are determined from specific quantities, a classification into classes of causes is performed on the basis of the comparison by means of one or the processing unit, and an evaluation is carried out based on the classification. The invention also relates to a device for carrying out the method.